



Product Evaluation

DR850 | 0517

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-850

Effective Date: May 1, 2017

Re-evaluation Date: April 2021

Product Name: 6'-8" and 8'-0" Opaque Steel Masonite Side Hinged Doors, Inswing & Outswing, Singles with and without Sidelites, and Doubles, Non-Impact Resistant

Manufacturer: Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
336-668-24720

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Opaque Steel Single Door Inswing / Outswing (X)	Inswing +50/-50 PSF Outswing +70/-70 PSF	TX-4651
2	3'-0" x 6'-8" Opaque Steel Single Door w/ Sidelites, Inswing / Outswing (OXO)	Inswing +50/-50 PSF Outswing +70/-70 PSF	TX-4652
3	6'-0" x 6'-8" Opaque Steel Double Door Inswing / Outswing (XX)	Ultimate Hurricane Astragal Inswing: +40/-40 psf Outswing: +55/-55 psf Ultimate Multipoint Astragal Inswing: +50/-50 psf Outswing: +45/-45 psf	TX-4653
4	3'-0" x 8'-0" Opaque Steel Single Door Inswing / Outswing (X)	Inswing +40/-40 PSF Outswing +45/-45 PSF	TX-4654

General Description (continued):

System	Description	Label Rating	Drawing Number
5	3'-0" x 8'-0" Opaque Steel Single Door w/ Sidelites, Inswing / Outswing (OXO)	Inswing +40/-40 PSF Outswing +45/-45 PSF	TX-4655
6	6'-0" x 8'-0" Opaque Steel Double Door Inswing / Outswing (XX)	Ultimate Hurricane Astragal Inswing: +40/-40 psf Outswing: +45/-45 psf Ultimate Multipoint Astragal Inswing: +40/-40 psf Outswing: +30/-30 psf	TX-4656

Product Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1	Inswing: 37-1/2" x 82" Outswing: 37-1/2" x 81-1/8"	35-3/4" x 79-1/4"	N/A
2	Inswing: 112-1/4 x 82" Outswing: 112-1/4 x 81-1/8"	Door: 35-3/4" x 79-1/4" Sidelite: 35-3/4" x 79-1/4"	Sidelite: 21" x 63"
3	Inswing: 74" x 82" Outswing: 74" x 81-1/8"	35-3/4" x 79-1/4"	N/A
4	Inswing: 37-1/2" x 98" Outswing: 37-1/2" x 97-1/8"	35-3/4" x 95-1/4"	N/A
5	Inswing: 112-1/4 x 98" Outswing: 112-1/4 x 97-1/8"	Door: 35-3/4" x 95-1/4" Sidelite: 35-3/4" x 95-1/4"	Sidelite: 21" x 79"
6	Inswing: 74" x 98" Outswing: 74" x 97-1/8"	35-3/4" x 95-1/4"	N/A

Components and Hardware:

System	Component	Quantity	Attachment Method
1-6	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Hardware and components must be installed in accordance with Endura drawings: •TX-4654, TX-4655, dated November 8, 2016, signed and sealed by Lyndon F. Schmidt, P.E. on November 8, 2016. •TX-4651, TX-4652, TX-4653, TX-4656, dated November 8, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on March 8, 2017.
	Lock and deadbolt strike plate	1 each	
	Kwikset Signature Series (991) Lockset and Kwikset Signature Series (980/985) deadbolt	1	

Product Identification (Self labeled):

System		
1,2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products
	Product Name	3'-0" x 6'-8" Opaque Steel Single Door w/ & w/out Sidelites /Inswing/Outswing
	Drawing	TX-4651, TX-4652
	Test Standards	ASTM E 330-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products
	Product Name	6'-0" x 6'-8" Opaque Steel Double Door Inswing/Outswing
	Drawing	TX-4653
	Test Standards	ASTM E 330-02
4,5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products
	Product Name	3'-0" x 8'-0" Opaque Steel Single Door w/ & w/out Sidelites Inswing/Outswing
	Drawing	TX-4654, TX-4655
	Test Standards	ASTM E 330-02
6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products
	Product Name	6'-0" x 8'-0" Opaque Steel Double Door Inswing/Outswing
	Drawing	TX-4656
	Test Standards	ASTM E 330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

System		
1-6	Type of Installation	Installed and anchor doors in accordance with Endura drawings: •TX-4654, TX-4655, dated November 8, 2016, signed and sealed by Lyndon F. Schmidt, P.E. on November 8, 2016. •TX-4651, TX-4652, TX-4653, TX-4656, dated November 8, 2016, signed & sealed by Lyndon F. Schmidt, P.E. on March 8, 2017.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.